Test Type: CHRONIC

Route: DOSED WATER
Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

F1_REV1_R2

C Number: C96019

Lock Date: 07/14/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include ALL

TDMSE Version: 1.9.1

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
Disposition Summary				
Animals Initially in Study	66	66	66	66
Early Deaths Moribund Sacrifice	15	17	17	17
Natural Death Survivors	4	7	8	4
Terminal Sacrifice	31	26	25	29
Animals Examined Microscopically	50	50	50	50
LIMENTARY SYSTEM				
Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(48)	(48)	(47)	(49)
Intestine Large, Colon	(50)	(49)	(50)	(48)
Adenoma	(=0)	1 (2%)	(=0)	3 (6%)
Intestine Large, Rectum	(50)	(50)	(50)	(49)
Adenoma	(50)	1 (2%)	(50)	1 (2%)
Intestine Small, Duodenum Intestine Small, Ileum	(50)	(49)	(50) (47)	(49) (49)
Intestine Small, Jejunum	(49) (47)	(46) (46)	(47) (46)	(49) (48)
Liver	(50)	(50)	(50)	(50)
Fibrosarcoma, Metastatic, Spleen	(30)	1 (2%)	(50)	(30)
Hepatocellular Adenoma	2 (4%)	1 (2/0)	3 (6%)	3 (6%)
Hepatocellular Adenoma, Multiple	۷ (۳/۵)		3 (070)	1 (2%)
Mesentery	(6)	(16)	(15)	(15)
Fibrosarcoma	(0)	2 (13%)	(10)	(10)
Fibrosarcoma, Metastatic, Spleen		1 (6%)		
Oral Mucosa	(0)	(0)	(1)	(1)
Squamous Cell Papilloma	` '	()		1 (100%)
Pharyngeal, Squamous Cell Papilloma			1 (100%)	, ,
Pancreas	(50)	(50)	(50)	(50)
Fibrosarcoma, Metastatic, Mesentery		2 (4%)		
Fibrosarcoma, Metastatic, Spleen		1 (2%)		
Acinus, Adenoma	2 (4%)	4	1 (2%)	1 (2%)
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Stomach, Glandular	(50)	(50)	(50)	(50)

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Tongue Squamous Cell Papilloma	(0)	(1) 1 (100%)	(0)	(1)	
Tooth	(0)	(0)	(0)	(2)	
CARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	
Alveolar/Bronchiolar Carcinoma,	(00)	(00)	(00)	1 (2%)	
Metastatic, Lung					
Schwannoma Benign				1 (2%)	
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Adenoma			1 (2%)		
Adrenal Medulla	(50)	(50)	(50)	(50)	
Pheochromocytoma Benign	8 (16%)	13 (26%)	7 (14%)	11 (22%)	
Pheochromocytoma Malignant	1 (2%)	2 (4%)	1 (2%)	1 (2%)	
Bilateral, Pheochromocytoma Benign	1 (2%)	4	1 (2%)	1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)	
Adenoma	3 (6%)	4 (8%)	9 (18%)	3 (6%)	
Carcinoma	2 (4%)	2 (4%)	1 (2%)	1 (2%)	
Pituitary Gland	(48)	(50)	(50)	(50)	
Pars Distalis, Adenoma	23 (48%)	30 (60%)	23 (46%)	21 (42%)	
Pars Distalis, Carcinoma	(50)	(50)	1 (2%)	(50)	
Thyroid Gland	(50)	(50)	(50)	(50)	
C-cell, Adenoma	3 (6%)	7 (14%)	7 (14%)	8 (16%)	
C-cell, Carcinoma Follicular Cell, Adenoma	1 (2%) 2 (4%)	1 (2%)	1 (2%)	2 (40/)	
Follicular Cell, Adenoma Follicular Cell, Carcinoma	2 (4%) 1 (2%)	2 (4%)	1 (2%)	2 (4%)	
GENERAL BODY SYSTEM					
Peritoneum	(0)	(4)	(2)	(3)	
· oncondin	(0)	(7)	(~)	(0)	
GENITAL SYSTEM					
Epididymis	(50)	(50)	(50)	(50)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Fibrosarcoma, Metastatic, Mesentery		1 (2%)			
Preputial Gland	(50)	(49)	(50)	(49)	
Adenoma	4 (8%)	7 (14%)	7 (14%)	8 (16%)	
Carcinoma	2 (4%)	1 (2%)	7 (1470)	3 (1070)	
Prostate	(50)	(50)	(50)	(50)	
Seminal Vesicle	(50)	(50)	(50)	(50)	
Fibrosarcoma, Metastatic, Spleen	()	1 (2%)	()	()	
Testes	(50)	(50)	(50)	(50)	
Bilateral, Interstitial Cell, Adenoma	38 (76%)	39 (78%)	39 (78%)	43 (86%)	
Interstitial Cell, Adenoma	8 (16%)	7 (14%)	5 (10%)	3 (6%)	
IEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Lymph Node	(14)	(31)	(19)	(25)	
Mediastinal, Alveolar/Bronchiolar				1 (4%)	
Carcinoma, Metastatic, Lung		4-3	4-1	4-1	
Lymph Node, Mandibular	(1)	(3)	(0)	(0)	
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	
Fibrosarcoma, Metastatic, Spleen	(50)	1 (2%)	(=0)	(50)	
Spleen	(50)	(50)	(50)	(50)	
Fibrosarcoma		3 (6%)		4 (00()	
Hemangiosarcoma	(40)	(50)	(50)	1 (2%)	
Thymus	(49)	(50)	(50)	(48)	
Álveolar/Bronchiolar Carcinoma, Metastatic, Lung				1 (2%)	
Thymoma Malignant				1 (2%)	
mymoma ivialignam				1 (270)	
ITEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(50)	
Fibroadenoma	3 (6%)	4 (8%)	3 (6%)	4 (8%)	
Skin	(50)	(50)	(50)	(50)	
Basal Cell Adenoma	4 /50/	1 (2%)	2 (4%)	1 (2%)	
Keratoacanthoma	1 (2%)	4 (00()	2 (4%)	1 (2%)	
Squamous Cell Papilloma	3 (6%)	4 (8%)	4 (8%)	2 (4%)	
Squamous Cell Papilloma, Multiple	0 (00/)	1 (2%)			
Trichoepithelioma	3 (6%)			4 (00/)	
Sebaceous Gland, Adenoma				1 (2%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Subcutaneous Tissue, Fibroma Subcutaneous Tissue, Fibrosarcoma Subcutaneous Tissue, Lipoma	7 (14%) 1 (2%)	7 (14%) 3 (6%) 1 (2%)	2 (4%)	4 (8%)	
Subcutaneous Tissue, Liposarcoma Subcutaneous Tissue, Neural Crest Tumor	1 (2%) 1 (2%)	1 (276)	1 (2%)	1 (2%)	
MUSCULOSKELETAL SYSTEM					
Bone Osteosarcoma	(50)	(50)	(50) 1 (2%)	(50)	
Thymoma Malignant, Metastatic, Thymus Skeletal Muscle Alveolar/Bronchiolar Carcinoma,	(1)	(4)	(0)	1 (2%) (1) 1 (100%)	
Metastatic, Lung Fibrosarcoma, Metastatic, Mesentery Fibrosarcoma, Metastatic, Spleen Hemangioma		2 (50%) 1 (25%) 1 (25%)			
NERVOUS SYSTEM					
Brain Astrocytoma Malignant	(50)	(50)	(50) 1 (2%)	(50)	
Oligodendroglioma Malignant			1 (2%)	1 (2%)	
RESPIRATORY SYSTEM					
Lung Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Carcinoma, Metastatic, Thyroid Gland	(50) 2 (4%) 1 (2%) 1 (2%)	(50) 1 (2%)	(50)	(50) 1 (2%) 2 (4%)	
Thymoma Malignant, Metastatic, Thymus Nose	(50)	(50)	(50)	1 (2%) (50)	
SPECIAL SENSES SYSTEM					
Eye Harderian Gland	(50) (50)	(50) (50)	(50) (50)	(50) (50)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER
Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Zymbal's Gland Adenoma Carcinoma	(1) 1 (100%)	(1) 1 (100%)	(1) 1 (100%)	(0)	
JRINARY SYSTEM					
Kidney Renal Tubule, Adenoma	(50)	(50)	(50)	(50)	
Urinary Bladder	(50)	(50)	(50)	1 (2%) (49)	
SYSTEMIC LESIONS					
Multiple Organs	*(50)	*(50)	*(50)	*(50)	
Leukemia Mononuclear Lymphoma Malignant	21 (42%)	23 (46%)	19 (38%)	21 (42%) 1 (2%)	
Mesothelioma Malignant	1 (2%)	5 (10%)	10 (20%)	6 (12%)	

a - Number of animals examined microscopically at site and number of animals with lesion

^{*} Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Route: DOSED WATER
Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
Tumor Summary for Males				
Total Animals with Primary Neoplasms (b)	50	50	50	50
Total Primary Neoplasms	147	175	156	162
Total Animals with Benign Neoplasms	50	50	49	48
Total Benign Neoplasms	113	132	119	126
Total Animals with Malignant Neoplasms	27	33	33	31
Total Malignant Neoplasms	33	43	36	35
Total Animals with Metastatic Neoplasms	1	3		2
Total Metastatic Neoplasms	1	11		6
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant	1		1	1
Total Uncertain Neoplasms	1		1	1

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
Disposition Summary				
Animals Initially in Study Early Deaths	66	66	66	66
Moribund Sacrifice	12	14	9	13
Natural Death	4	5	4	2
Survivors Natural Death			1	
Terminal Sacrifice	34	31	36	35
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Intestine Large, Cecum	(48)	(47)	(48)	(49)
Leiomyosarcoma	(FO)	(40)	(50)	1 (2%) (50)
Intestine Large, Colon Adenoma	(50)	(49)	2 (4%)	5 (10%)
Adenoma, Multiple			2 (170)	1 (2%)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	2 (4%)
Intestine Small, Duodenum	(49)	(48)	(49)	(49)
Intestine Small, Ileum	(47)	(47)	(48)	(48)
Intestine Small, Jejunum Leiomyosarcoma	(47) 1 (2%)	(47)	(48)	(48)
Liver	(50)	(50)	(50)	(50)
Hepatocellular Adenoma	(30)	(30)	(30)	3 (6%)
Leiomyosarcoma, Metastatic, Uncertain				1 (2%)
Primary Site				. ,
Mesentery	(9)	(9)	(9)	(6)
Leiomyosarcoma	(5)	(2)	(2)	1 (17%)
Oral Mucosa	(2)	(0)	(0)	(1)
Carcinoma, Metastatic, Thyroid Gland Squamous Cell Carcinoma	1 (50%)			1 (100%)
Pharyngeal, Squamous Cell Papilloma	1 (50%)			1 (10070)
Pancreas	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Stomach, Glandular	(50)	(50)	(50)	(50)
Leiomyosarcoma	• •			1 (2%)

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Tongue	(1)	(0)	(1)	(0)	
Carcinoma, Metastatic, Thyroid Gland	1 (100%)		4 (4000()		
Squamous Cell Papilloma			1 (100%)		
ARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	
Schwannoma Benign	1 (2%)				
NDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Adenoma	4>		4	1 (2%)	
Adrenal Medulla	(49)	(47)	(50)	(50)	
Pheochromocytoma Benign	2 (4%)	1 (2%)	4 (8%)	4 (8%)	
Pheochromocytoma Complex	0 (40()	4 (00/)		1 (2%)	
Pheochromocytoma Malignant	2 (4%)	1 (2%)		4 (00()	
Bilateral, Pheochromocytoma Benign	(15)	(==)	(==)	1 (2%)	
Islets, Pancreatic	(49)	(50)	(50)	(50)	
Adenoma	3 (6%)	1 (2%)	1 (2%)	2 (4%)	
Carcinoma	4 (00()			1 (2%)	
Carcinoma, Metastatic, Thyroid Gland	1 (2%)	(50)	(50)	(50)	
Pituitary Gland	(50)	(50)	(50)	(50)	
Pars Distalis, Adenoma	28 (56%)	33 (66%)	30 (60%)	26 (52%)	
Pars Distalis, Carcinoma Thyroid Gland	(40)	(50)	1 (2%) (50)	(50)	
Bilateral, C-cell, Adenoma	(49)	1 (2%)	2 (4%)	1 (2%)	
C-cell, Adenoma	6 (12%)	6 (12%)	2 (4%) 8 (16%)	7 (14%)	
C-cell, Carcinoma	1 (2%)	0 (12%)	0 (10%)	7 (14%)	
Follicular Cell, Adenoma	1 (270)	1 (2%)	2 (4%)	1 (2%)	
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(50)	(49)	(50)	(47)	
	• •	• •	• •	• •	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Adenoma	16 (32%)	10 (20%)	8 (16%)	9 (19%)	
Carcinoma	, ,	2 (4%)	. ,	1 (2%)	
Bilateral, Adenoma	1 (2%)	1 (2%)		3 (6%)	
Ovary	(50)	(50)	(50)	(50)	
Bilateral, Carcinoma, Metastatic, Thyroid Gland	1 (2%)				
Uterus	(50)	(50)	(50)	(50)	
Adenocarcinoma		1 (2%)			
Adenoma	0 (400()	1 (2%)	40 (000()	44 (000()	
Polyp Stromal	9 (18%)	6 (12%)	13 (26%)	11 (22%)	
Vagina	(0)	(1)	(0)	(1)	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Lymph Node	(15)	(20)	(11)	(16)	
Deep Cervical, Carcinoma, Metastatic,	1 (7%)	` '	,	,	
Thyroid Gland	, ,				
Mediastinal, Carcinoma, Metastatic,	1 (7%)				
Thyroid Gland					
Lymph Node, Mandibular	(0)	(2)	(1)	(1)	
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	
Spleen	(50)	(50)	(50)	(50)	
Hemangiosarcoma	(=0)	(=0)	(=0)	1 (2%)	
Thymus	(50)	(50)	(50)	(50)	
Thymoma Benign				1 (2%)	
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(50)	
Carcinoma	1 (2%)	1 (2%)	ζ/	3 (6%)	
Fibroadenoma	21 (42%)	19 (38%)	4 (8%)	8 (16%)	
Fibroadenoma, Multiple	22 (44%)	24 (48%)	43 (86%)	38 (76%)	
Skin	(50)	(50)	(50)	(50)	
Basal Cell Adenoma		1 (2%)			
Keratoacanthoma		1 (2%)	1 (2%)		
Trichoepithelioma		1 (2%)			
Pinna, Neural Crest Tumor			1 (2%)	4 (001)	
Sebaceous Gland, Carcinoma				1 (2%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Subcutaneous Tissue, Fibroma Subcutaneous Tissue, Fibroma, Multiple	1 (2%)	1 (2%)	1 (2%) 1 (2%)	4 (8%)	
Subcutaneous Tissue, Fibrosarcoma Subcutaneous Tissue, Schwannoma Nos		1 (2%)		2 (4%)	
MUSCULOSKELETAL SYSTEM					
Bone Osteosarcoma	(50)	(50) 1 (2%)	(50)	(50)	
Mandible, Squamous Cell Carcinoma, Metastatic, Oral Mucosa		1 (270)		1 (2%)	
Vertebra, Osteosarcoma	1 (2%)				
NERVOUS SYSTEM					
Brain Carcinoma, Metastatic, Pituitary Gland Granular Cell Tumor Benign	(50)	(50)	(50) 1 (2%) 1 (2%)	(50)	
RESPIRATORY SYSTEM					
Lung Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Carcinoma, Metastatic, Mammary Gland Carcinoma, Metastatic, Skin	(50) 1 (2%)	(50) 1 (2%)	(50) 2 (4%)	(50) 2 (4%) 1 (2%) 1 (2%)	
Carcinoma, Metastatic, Skin Carcinoma, Metastatic, Thyroid Gland Osteosarcoma, Metastatic, Bone Squamous Cell Carcinoma	1 (2%)	1 (2%)		1 (2%)	
Nose	(50)	(50)	(50)	(50)	
SPECIAL SENSES SYSTEM					
Eye Harderian Gland Zymbal's Gland Adenoma Carcinoma	(50) (50) (0)	(50) (50) (2) 1 (50%) 1 (50%)	(50) (50) (0)	(50) (50) (0)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	
Carcinoma, Metastatic, Thyroid Gland Lipoma	1 (2%)	1 (2%)			
Renal Tubule, Adenoma	1 (2%)		(50)	(50)	
Urinary Bladder	(50)	(50)	(50)	(50)	
SYSTEMIC LESIONS					
Multiple Organs	*(50)	*(50)	*(50)	*(50)	
Histiocytic Sarcoma Leukemia Mononuclear	1 (2%) 15 (30%)	12 (24%)	12 (24%)	12 (24%)	

a - Number of animals examined microscopically at site and number of animals with lesion

^{*} Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Route: DOSED WATER
Species/Strain: RATS/F 344

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Water disinfection byproducts (Bromochloroacetic acid)

CAS Number: 5589-96-8

Date Report Reqsted: 12/06/2007

Time Report Reqsted: 09:56:07 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L
Tumor Summary for Females				
Total Animals with Primary Neoplasms (b)	49	49	49	50
Total Primary Neoplasms	135	131	139	157
Total Animals with Benign Neoplasms	49	48	48	47
Total Benign Neoplasms	113	110	125	130
Total Animals with Malignant Neoplasms	18	18	13	23
Total Malignant Neoplasms	22	20	13	27
Total Animals with Metastatic Neoplasms	1	1	1	4
Total Metastatic Neoplasms	8	1	1	4
Total Animals with Malignant Neoplasms Uncertain Primary Site				1
Total Animals with Neoplasms Uncertain-Benign or Malignant		1	1	
Total Uncertain Neoplasms		1	1	

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors